

CLAIMS

1. An information processing apparatus comprising:

a line information storage unit for storing a plurality of pieces of line information, each of the pieces of line information including

5 a line identifier for identifying a production line of a board,

board size information indicating a size of the board that can be produced by the production line identified by the line identifier, and

10 component information about at least one component mountable on the board in the production line identified by the line identifier;

15 a data reception unit for receiving numerical control (NC) data for producing a first board, the NC data including board size information and first component information about a component mountable on the first board, the board size information indicating a size of the first board;

20 a line identifier acquiring unit for acquiring a line identifier from a plurality of line identifiers stored in the line information storage unit according to the NC data, the line identifier indicating a first production line capable of producing the first board; and

an output unit for outputting the line identifier acquired by the line identifier acquiring unit.

2. The information processing apparatus of claim 1,

25 wherein each of the pieces of the line information further includes production capacity information indicating a production capacity of the production line identified by the line identifier

included in each of the pieces of the line information, and

production schedule information indicating a schedule of the board to be produced in the production line,

wherein the data reception unit receives production number
5 information and the NC data, the production number information indicating a number of the first board to be produced, and

wherein the output unit outputs the line identifier acquired and the production schedule of the first board at the first production line.

10 3. The information processing apparatus of claim 1, wherein the output unit further outputs information indicating a production commission.

15 4. The information processing apparatus of claim 1, further comprising a charging processor for performing a charge processing according to an output of the output unit.

5. A production apparatus comprising:

a reception unit for receiving numerical control (NC) data;

a production unit for producing an object with using the received
20 NC data; and

a deleting unit for deleting the NC data after the production unit produces the object.

6. The production apparatus of claim 5,

25 wherein the production unit produces a plurality of objects with using the NC data, and

wherein the deleting unit deletes the NC data after the

production unit processes the NC data received by the reception unit and produces one of the plurality of objects.

7. The production apparatus of claim 5,

5 wherein the production unit produces a plurality of objects with using the NC data; and

 wherein the deleting unit deletes the NC data after the production unit produces a predetermined number of a plurality of boards out of the plurality of objects.

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8. A board comprising a storage unit for storing numerical control (NC) data, the NC data including board size information and component information about a component mountable on the board, the board size information indicating a size of the board, wherein the board is machined
15 according to the NC data.

9. The circuit board of claim 8, wherein the storage unit is made of a radio-frequency identification.

20 10. A method of producing a board, comprising:

 receiving NC data for producing the board, the NC data including board size information and component information about at least one component mountable on the board, the board size information indicating a size of the board;

25 acquiring, according to the received NC data, a line identifier indicating a production line capable of producing a first board to be produced according to the received NC data; and

outputting the acquired line identifier.

11. The method claim 10, further comprising outputting information of a production commission for producing the board.

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12. A method of producing a board comprising:

receiving production number information and NC data, the production number information indicating a number of boards to be produced;

10 acquiring, according to the received NC data, a line identifier indicating a production line capable of producing the board to be produced according to the NC data; and

outputting the acquired line identifier and a production schedule of the board at the production line identified by the line identifier.

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13. The method of claim 12, further comprising outputting information indicating a production commission for producing the board.

14. A method of producing a board comprising:

20 receiving NC data;

producing a board in a production apparatus with using the NC data; and

deleting the NC data after said producing the board.

25 15. A record medium readable by a computer, the record medium storing a program causing the computer to execute:

receiving NC data for producing the board, the NC data including

board size information and component information about at least one component mountable on the board, the board size information indicating a size of the board;

5 acquiring, according to the received NC data, a line identifier indicating a production line capable of producing a first board to be produced according to the received NC data; and

 outputting the acquired line identifier.

10 16. The record medium of claim 15, wherein the program causes the computer to further execute outputting information indicating a production commission for producing the board.

15 17. A record medium readable by a computer, the record medium storing a program causing the computer to execute:

20 receiving production number information and NC data, the production number information indicating a number of boards to be produced;

 acquiring, according to the received NC data, a line identifier indicating a production line capable of producing the board to be produced according to the NC data; and

 outputting the acquired line identifier and a production schedule of the board at the production line identified by the line identifier.

25 18. The record medium of claim 17, wherein the program causes the computer to further execute outputting information indicating a production commission for producing the board.

19. A record medium readable by a computer, the record medium storing a program causing the computer to execute:

receiving NC data;

producing a board in a production apparatus with using the NC

5 data; and

deleting the NC data after said producing the board.